

Sub  
Cel

35. (New) A color display system, comprising:

a color display device that stores color correction data corresponding to an input-output color characteristic associated with the color display device; and

a computer system that is adapted to:

load the color correction data from the color display device; and

create a video signal based on the color correction data.

36. (New) The color display system set forth in claim 35, wherein the computer system is adapted to send the video signal to the color display device.

F1  
cont

37. (New) The color display system set forth in claim 35, wherein the color correction data comprises a plurality of equation coefficients that represent the input-output color characteristic associated with the color display device.

38. (New) The color display system set forth in claim 35, wherein the color correction data comprises a plurality of coefficients that represent a signal input-to-first color output relationship of the color display device.

39. (New) The color display system set forth in claim 38, wherein the coefficients are for a polynomial equation.

40. (New) The color display system set forth in claim 38, wherein the plurality of coefficients can be utilized in a third order polynomial equation which predicts the brightness of

the first color to within 0,3 foot-lamberts for each input signal for the color display device.

41. (New) The color display system set forth in claim 35 wherein the color display device can be at least one of a VGA monitor, a MultiSync monitor, a flat panel NCD display, a flat panel SPU display, a flat panel LCD display, a reflective LCD display, and a FED display device.

42. (New) A color display device, comprising:  
a display screen for displaying a color image; and  
a memory device that is adapted to store color correction data corresponding to an input-output color characteristic associated with the display screen, the color correction data being adapted to be loaded into a computer system associated with the color display device for use by the computer system in creating a video signal based on the color correction data.

43. (New) The color display device set forth in claim 42, wherein the color display device is adapted to receive the video signal from the computer system.

44. (New) The color display device set forth in claim 42, wherein the color correction data comprises a plurality of equation coefficients that represent the input-output color characteristic associated with the color display device.

45. (New) The color display device set forth in claim 42, wherein the color correction data comprises a plurality of coefficients that represent a signal input-to-first color output

relationship of the color display device.

46. (New) The color display device set forth in claim 45, wherein the coefficients are for a polynomial equation.

47. (New) The color display device set forth in claim 45, wherein the plurality of coefficients can be utilized in a third order polynomial equation which predicts the brightness of the first color to within 0.3 foot-lamberts for each input signal for the color display device.

48. (New) The color display system set forth in claim 42 wherein the color display device can be at least one of a VGA monitor, a MultiSync monitor, a flat panel NCD display, a flat panel SPU display, a flat panel LCD display, a reflective LCD display, and a FED display device.

49. (New) A method of providing color correction in a color display system, the color display system comprising a color display device that stores color correction data corresponding to an input-output color characteristic associated with the color display device and a computer system that is adapted to provide a video signal to the color display device, the method comprising:

retrieving the color correction data from the color display device;

using the color correction data to create the video signal.

50. (New) The method set forth in claim 49, comprising delivering the video signal to the color display device.